

ABSTRACT OF THE DISCLOSURE

The invention provides a method and system for providing, in a single intranet, internet, or World Wide Web-accessible interface, initiation of, interactive adjustments to, and access to the outputs of, an integrated workflow for a plurality of analytical computer applications for characterization and analysis of the traits and optimal management of the extraction of oil, gas, and water from a subsurface petroleum reservoir. By wrapping a number 5 of disparate analytical application tools in a seamless, and remotely accessible, package, the present invention reduces incompatibility problems caused by the disparate nature of petroleum analysis methods and the data used therein (which typically includes extensive seismic data and characteristics gathered regarding a reservoir geological structure), reduces the need to hire, train, and transport large numbers of human operators to conduct reservoir analysis in often- 10 wasteful fashion, and increases the reliability of reservoir analysis, because the assumptions, analytic processes, and input data used for one analysis may be readily retrieved, re-evaluated, and altered, either for ready automated re-evaluation of that reservoir or for future evaluations of the same or other reservoirs, thus building a flexible database of analysis tools and output. The present invention may be readily implemented, for access, input, and output of workflow 15 and analytic data in the field, in conjunction with simple configurations of standard main computer servers, application software and plug-ins, and portable remote notebook computers.